I 49.89:82/46/MAP A 4

BAY MINETTE.ECOLOGICAL ATLAS OF COASTAL ALABAMA.BIOLOGICAL RESOURCES. . . FWS/OBS-82/46-MAP A4. . . UNITED STATES DEPARTMENT OF THE INTERIOR. . . 1984

1 OF 1
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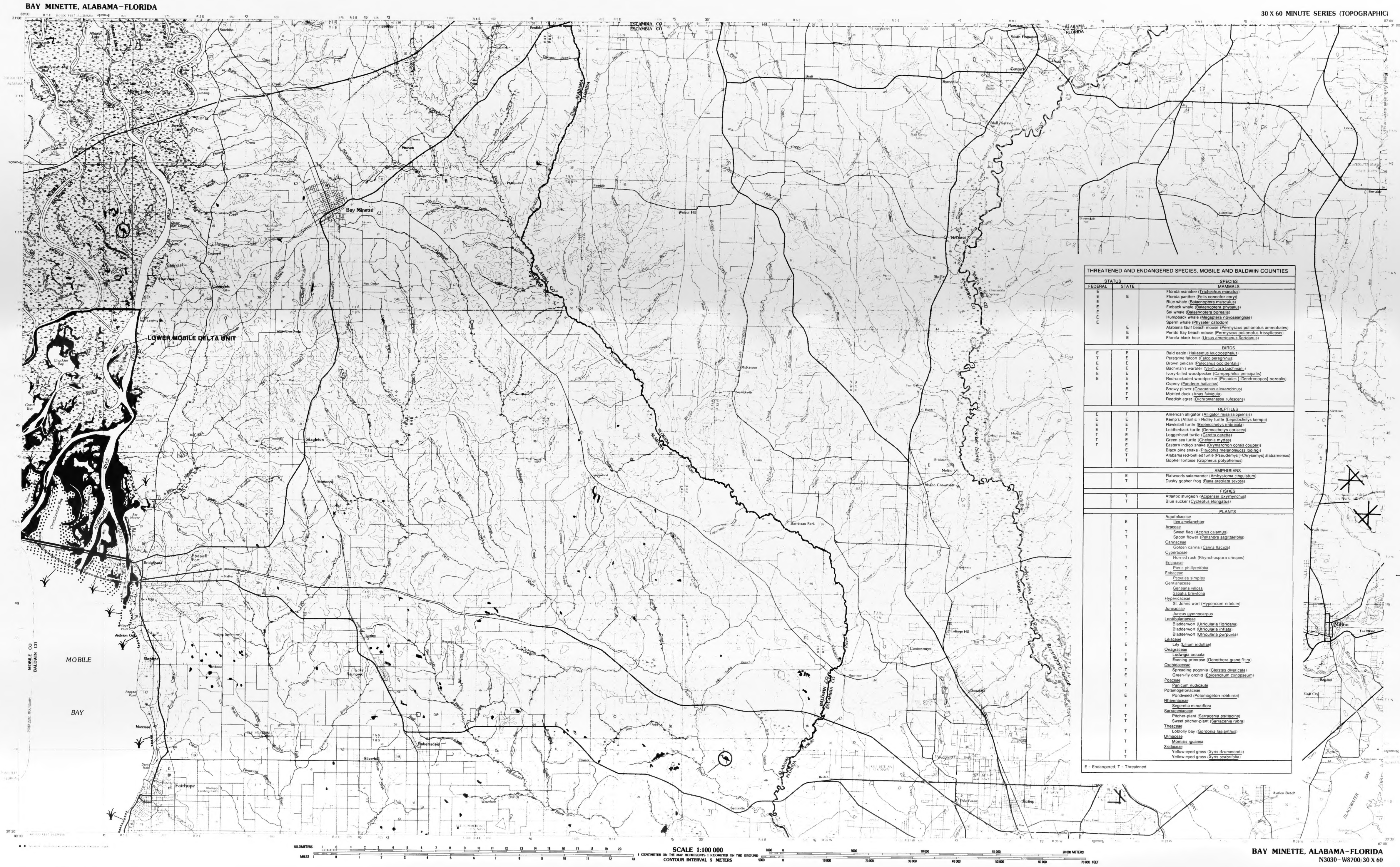
SUPTDOCS/GPO
MAP A4

I 49.89:82/46/map A4

BAY MINETTE, ALABAMA–FLORIDA

30 X 60 MINUTE SERIES (TOPOGRAPHIC)



STATUS FEDERAL	STATUS STATE	SPECIES
		MAMMALS
E		Florida manatee (Trichechus manatus)
E	E	Florida panther (Felis concolor coryi)
E		Blue whale (Balaenoptera musculus)
E		Finback whale (Balaenoptera physalus)
E		Sei whale (Balaenoptera borealis)
E		Humpback whale (Megaptera novoaeangliae)
E		Sperm whale (Physeter catodon)
	E	Alabama Gulf beach mouse (Permyscus polionotus ammobates)
	E	Perido Bay beach mouse (Permyscus polionotus trissyllepsis)
	E	Florida black bear (Ursus americanus floridanus)
		BIRDS
E	E	Bald eagle (Haliaeetus leucocephalus)
T	E	Peregrine falcon (Falco peregrinus)
E	E	Brown pelican (Pelecanus occidentalis)
E	E	Bachman's warbler (Vermivora bachmanii)
E	E	Ivory-billed woodpecker (Campephilus principalis)
E	E	Red-cockaded woodpecker (Picoides [=Dendrocopos] borealis)
	E	Osprey (Pandeon haliaetus)
	E	Snowy plover (Charadrius alexandrinus)
	T	Mottled duck (Anas fulvigula)
	T	Reddish egret (Dichromanassa rufescens)
		REPTILES
E	T	American alligator (Alligator mississippiensis)
E	E	Kemp's (Atlantic) Ridley turtle (Lepidochelys kempii)
E	E	Hawksbill turtle (Eretmochelys imbricata)
E	T	Leatherback turtle (Dermochelys coriacea)
T	E	Loggerhead turtle (Caretta caretta)
T	E	Green sea turtle (Chelonia mydas)
T	E	Eastern indigo snake (Drymarchon corais couperi)
	E	Black pine snake (Pituophis melanoleucas lodingi)
	T	Alabama red-bellied turtle (Pseudemys [=Chrysemys] alabamensis)
	T	Gopher tortoise (Gopherus polyphemus)
		AMPHIBIANS
	E	Flatwoods salamander (Ambystoma cingulatum)
	T	Dusky gopher frog (Rana areolata sevosa)
		FISHES
	T	Atlantic sturgeon (Acipenser oxyrhynchus)
	T	Blue sucker (Cycleptus elongatus)
		PLANTS
		Aquifoliaceae
	E	Ilex amelanchier
		Araceae
	T	Sweet flag (Acorus calamus)
	T	Spoon flower (Peltandra sagittaefolia)
		Cannaceae
	T	Golden canna (Canna flacida)
		Cyperaceae
	T	Horned rush (Rhynchospora crinipes)
		Ericaceae
	T	Pieris phillyreifolia
		Fabaceae
	E	Psoralea simplex
		Gentianaceae
	E	Gentiana villosa
	T	Sabatia brevifolia
		Hypericaceae
	T	St. Johns wort (Hypericum nitidum)
		Juncaceae
	T	Juncus gymnocarpus
		Lentibulariaceae
	T	Bladderwort (Utricularia floridana)
	T	Bladderwort (Utricularia inflata)
	T	Bladderwort (Utricularia purpurea)
		Liliaceae
	E	Lily (Lilium iridollae)
		Onagraceae
	T	Ludwigia arcuata
	E	Evening primrose (Oenothera grandiflora)
		Orchidaeceae
	T	Spreading pogonia (Cleistes divaricata)
	E	Green-fly orchid (Epidendrum conopseum)
		Poaceae
	T	Panicum nudicaule
		Potamogetonaceae
	E	Pondweed (Potomogeton robbinsii)
		Rhamnaceae
	T	Segeretia minutiflora
		Sarraceniaceae
	T	Pitcher-plant (Sarracenia psittacina)
	T	Sweet pitcher-plant (Sarracenia rubra)
		Theaceae
	T	Loblolly bay (Gordonia lasianthus)
		Ulmaceae
	T	Momisis iguanea
		Xridaceae
	T	Yellow-eyed grass (Xyris drummondii)
	T	Yellow-eyed grass (Xyris scabrifolia)

E = Endangered. T = Threatened

SCALE 1:100 000

KILOMETERS 1 0 1 2 3 4 5

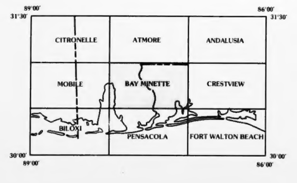
MILES 1 0 1 2 3

20 000 METERS

1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND

CONTOUR INTERVAL 5 METERS

BAY MINETTE, ALABAMA–FLORIDA
N3030–W8700/30 X 60
1981



THE COASTAL ALABAMA ECOLOGICAL ATLAS WAS PRODUCED BY THE U S FISH AND WILDLIFE SERVICE DIVISION OF BIOLOGICAL SERVICES, NATIONAL COASTAL ECOSYSTEMS TEAM (FWS NO 14-16-0009-81-062) AND THE MINERALS MANAGEMENT SERVICE FOR COASTAL PLANNERS, DECISION MAKERS, AND THE GENERAL PUBLIC TO DETERMINE AND EVALUATE CHANGES AND TO RESOLVE CONFLICTS AMONG LAND USES, FISH AND WILDLIFE REQUIREMENTS, AND THE MAINTENANCE OF ECOLOGICAL DIVERSITY. COASTAL ALABAMA IS DEFINED AS THE COMBINED BOUNDARIES OF MOBILE AND BALDWIN COUNTIES, ALABAMA INCLUSIVELY AND EXTENDS APPROXIMATELY 3 MILES OFFSHORE. THERE IS NO ATTEMPT, IN THE DESIGN OR PRODUCTS OF THIS STUDY, TO DEFINE THE LIMITS OF PROPRIETARY JURISDICTION OF ANY FEDERAL, STATE, OR LOCAL GOVERNMENT OR TO ESTABLISH THE GEOGRAPHICAL SCOPE OF THE REGULATORY PROGRAMS OF GOVERNMENT AGENCIES

THIS MAP HAS BEEN COMPILED FROM A VARIETY OF SOURCE MATERIALS INCLUDING MAPS, AERIAL PHOTOGRAPHS, AND REPORTS. SINCE MANY SOURCES CONTAINED ONLY GENERALIZED LOCATONS OF RESOURCES AND OTHER MAPPED FEATURES, THE USER SHOULD NOT RELY ON THESE MAPS FOR PRECISE MEASUREMENTS OF DISTANCES OR AREAS

PRIMARY SOURCES OF MAPPED INFORMATION:

WETLAND HABITATS: U.S. Dept. of Interior, FWS/OBS National Wetlands Inventory 1:24,000 quadrangles, various dates

BIRD NESTING AREAS: Johnson 1979; O'Neil et al 1982, Portnoy 1977, 1978

WATERFOWL CONCENTRATION AREAS: U.S. Dept. of Interior/FWS 1982

SHELLFISH HARVEST AREAS: Benson 1982, Christmas and Etzold 1977, Eckmayer 1979, May 1971, Swingle 1971

GRASSBEDS: Stout and Lelong 1981, Stout and Lelong 1982

FINFISH AND SHELLFISH MATRIX: Benson 1982, Swingle 1975, 1977

MAP A4

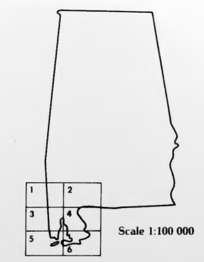
MMS 84-0052
FWS/OBS-82/46

Bay Minette

ECOLOGICAL ATLAS OF COASTAL ALABAMA

BIOLOGICAL RESOURCES

ORIGINAL



TOPICAL MAPS IN THIS ATLAS:
- A. BIOLOGICAL RESOURCES
- B. SOCIOECONOMIC FEATURES
- C. SOILS AND LANDFORMS
- D. OIL, GAS AND MINERAL RESOURCES
- E. HYDROLOGY AND CLIMATOLOGY

1984

Produced by U.S. Fish and Wildlife Service
and Minerals Management Service

Projection and 10,000 meter grid, zone 17 Universal Transverse Mercator
25,000-foot grid ticks based on Alabama coordinate system, south zone

Overlay material compiled in 1983 from latest available data obtained from Federal, State and Local government agencies and other sources

WETLAND HABITATS
- ■ Estuarine emergents (saltmarsh and brackish marsh)
- ■ Palustrine emergents (freshwater marsh)
- □ Palustrine forest and scrub/shrub (swamp forest)

NESTING AREAS OF BIRDS (GENERAL LOCATIONS)
- Shorebird nesting site
- Gull and tern nesting colony
- Wading bird nesting colony
- Brown pelican nesting colony

DESIGNATED WATERFOWL CONCENTRATION AREAS

OYSTER REEFS

GRASS BEDS (FRESHWATER, ESTUARINE AND MARINE SPECIES)

FINFISH AND SHELLFISH OF COASTAL ALABAMA CATEGORY COMMON NAME	SPAWNING LOCATION	SPAWNING SEASON	NURSERY AREA	MAJOR LARVAL HABITATS: Seagrass	Saltmarsh	Beaches	Artificial Reefs	Open Water	AREA OF ADULT ABUNDANCE	MAJOR ADULT HABITATS: Seagrass	Beaches	Open Water	Saltmarsh	Artificial Reefs	MIGRATION TYPE
ESTUARINE DEPENDENT FISHES (COMMERCIAL AND RECREATIONAL)															
Florida Pompano	C	[illegible]	C-B			●			B		●	●		●	1
Gulf Menhaden	C	[illegible]	E	●	●	●			C-E	●	●	●			2
Spotted Seatrout	C-E	[illegible]	E	●	●				C-E	●					1
Southern Flounder	ICS	[illegible]	C-E	●	●	●			C-E	●	●		●		1
Atlantic Croaker	C-E	[illegible]	C-E	●	●	●			C-E	●	●				1
Striped Mullet	CS	[illegible]	C-E	●	●				C-E	●	●				1
Red drum	C-E	[illegible]	E	●	●				E	●	●		●		1
REEF FISH															
Red Grouper	CS	[illegible]	C-E				●		CS					●	1
Red Snapper	CS	[illegible]	C	●			●		C					●	1
COASTAL PELAGIC FISHES															
King Mackerel	CS	[illegible]	ICS					●	C					●	3
Spanish Mackerel	CS	[illegible]	E-C					●	C					●	3
SHELLFISH															
Brown Shrimp	C	[illegible]	E		●				C			●			
White Shrimp	C	[illegible]	E		●				C-E		●	●			
Blue Crab	C-E	[illegible]	E		●				C-E		●	●	●		

KEY
- E - Estuarine
- B - Beach
- C - Coastal
- CS - Continental Shelf
- ICS - Inner Continental Shelf

MIGRATION TYPE
- 1 - Random Residential Range
- 2 - Restricted Migration
- 3 - Extensive Migration

▒ STUDY AREA OFFSHORE BOUNDARY

— — — STUDY AREA INSHORE BOUNDARY

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MICROCOPY RESOLUTION TEST CHART
NBS 1010a
ANSI and ISO TEST CHART No 2